

Energy Efficiency Building Codes Adopted by Kansas Cities of the First Class

KEC Staff Summary, December 2007

Currently, Kansas has adopted the 2006 version of the International Energy Conservation Code (IECC 2006) as the applicable standard for new commercial and industrial structures (see KSA 66-1227), although there is no provision for enforcement nor clarification of whether the statewide standard would supersede locally adopted standards. As a home rule state, Kansas allows local jurisdictions to enact local regulations where a statewide standard does not exist.

To better understand the current status of energy efficiency building codes throughout the state, KEC staff surveyed the 25 Kansas cities of the first class (the 25 cities that have historically possessed regional importance and generally possess more than 15,000 residents).¹ The results of this survey are summarized in the following table.

Results of 2007 Energy Efficiency Building Code Survey				
Kansas Cities of the First Class				
City	Construction Type	Energy Efficiency Code	Inspection/Enforcement	Adoption/Update Plans
Atchison	Residential	No code	n/a	None
	Commercial	No code	n/a	
	Industrial	No code	n/a	
Coffeyville <i>(recovering from flood)</i>	Residential	No response	No response	No response
	Commercial	No response	No response	
	Industrial	No response	No response	
Dodge City	Residential	No code	n/a	The next update cycle will occur around 2010
	Commercial	2003 IBC	No enforcement.	
	Industrial	2003 IBC	No enforcement.	
Emporia	Residential	No code	n/a	None
	Commercial	No code	n/a	
	Industrial	No code	n/a	
Fort Scott	Residential	No code	n/a	Has plans to adopt some code at some time.
	Commercial	No code	n/a	
	Industrial	No code	n/a	
Garden City	Residential	2003 IRC (EE requirements have replaced with similar insulation requirements; R19 for walls and R30 for attics)	Pre-permit inspection by city inspector; permit can be denied.	Plans to adopt 2006 version of IECC/IRC/IBC in the near future; may adopt EE requirements.
	Commercial	2003 IBC (EE requirements have replaced with similar insulation requirements; R19 for walls and R30 for attics)	Pre-permit inspection by city inspector; permit can be denied.	

¹ KEC research staff Trisha Shrum and Dana Maher worked on different stages of the survey during the summer and fall of 2007.

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City	Construction Type	Energy Efficiency Code	Inspection/Enforcement	Adoption/Update Plans
	Industrial	2003 IBC (EE requirements have replaced with similar insulation requirements; R19 for walls and R30 for attics)	Pre-permit inspection by city inspector, permit can be denied.	
Great Bend	Residential	No code	n/a	City council plans to ask for a staff recommendation
	Commercial	2006 IBC, excluding EE requirements	n/a	
	Industrial	2006 IBC, excluding EE requirements	n/a	
Hutchison	Residential	No code	n/a	Code inspector's office estimates next update in 3 to 6 years
	Commercial	No code	n/a	
	Industrial	No code.	n/a	
Junction City	Residential	2003 IRC	At least 15 inspections occur during the construction of a new building, covering all aspects of the adopted international codes.	Will adopt latest IECC when codes are updated in 2009.
	Commercial	2003 IBC	At least 15 inspections occur during the construction of a new building, covering all aspects of the adopted international codes	
	Industrial	2003 IBC	At least 15 inspections occur during the construction of a new building, covering all aspects of the adopted international codes	
Kansas City, KS	Residential	2003 IRC	Requires completion of KEED prior to permitting	Green Buildings Task Force responsible for updating.
	Commercial	2003 IBC	Requires completion of KEED prior to permitting.	
	Industrial	2003 IBC	Requires completion of KEED prior to permitting	
Kansas City, MO	Residential	2003 IRC	Part of general contracting license process	Plans to adopt 2006 IRC/IBC/IECC
	Commercial	2003 IBC	Special inspections of buildings	
	Industrial	2003 IBC	Special inspections of buildings	
Lawrence	Residential	2006 IECC	n/a	Adopted IECC 2006
	Commercial	2006 IECC	n/a	
	Industrial	2006 IECC	n/a	

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City	Construction Type	Energy Efficiency Code	Inspection/Enforcement	Adoption/Update Plans
Leawood	Residential	2000 IRC/IECC	City code inspectors enforce "strictly"	Plans to adopt 2006 IRC/IBC/IECC; will address commercial enforcement
	Commercial	2000 IBC/IECC	No enforcement required.	
	Industrial	2000 IBC/IECC	Leawood currently has no industry, so no enforcement mechanism has been created	
Lenexa	Residential	2003 IRC, excluding EE requirements	n/a	Plans to adopt 2006 IRC/IBC/IECC with EE requirements in January 2008
	Commercial	2003 IBC, excluding EE requirements	n/a	
	Industrial	2003 IBC, excluding EE requirements	n/a	
Leavenworth	Residential	No code	n/a	No plans for adoption
	Commercial	No code	n/a	
	Industrial	No code	n/a	
Liberal	Residential	1997 UBC	City inspects new construction; remodel projects are not inspected	Plans to adopt revised 2006 IRC/IBC/IECC
	Commercial	1997 UBC	No inspections	
	Industrial	1997 UBC	No inspections	
Manhattan	Residential	2006 IRC/IECC	On-site inspections during the construction process	Plans to adopt 2006 IRC/IBC/IECC
	Commercial	2006 IBC/IECC	On-site inspections during the construction process	
	Industrial	2006 IBC/IECC	On-site inspections during the construction process	
Newton	Residential	2003 IRC, with EE chapter replaced by custom insulation requirements	City code inspectors can enforce, but have no specific requirements to do so.	None
	Commercial	2003 IBC	City code inspectors can enforce but not specifically required to do so	
	Industrial	2003 IBC	City code inspectors can enforce but not specifically required to do so	
Olathe	Residential	No code	n/a	Plans to adopt 2006 IRC/IECC.
	Commercial	No code	n/a	
	Industrial	No code	n/a	
Overland Park	Residential	2006 IRC/IECC	Inspect window insulation and stucco; look for energy certificate required by IRC, Chapter 11	None
	Commercial	2006 IBC/IECC	Some building plan inspectors inspect for energy codes, but this is not consistent.	
	Industrial	2006 IBC/IECC	Some building plan inspectors inspect for energy codes, but this is not consistent.	

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Parsons	Residential	1997 UBC	City code inspectors	Parsons plans to adopt the 2006 IRC/IBC/IECC, possibly by December 2007
	Commercial	1997 UBC	City code inspectors	
	Industrial	1997 UBC	City code inspectors	
Pittsburg	Residential	2003 IRC	Enforcement through residential contractor licensing	None
	Commercial	2003 IBC	Enforcement through commercial contractor licensing	
	Industrial	No code	n/a	
Prairie Village	Residential	2006 IRC	Enforcement through inspection	Has been adopting new international codes as they come out; expects to adopt 2009 when it is released
	Commercial	2006 IBC	Enforcement through inspection	
	Industrial	2006 IBC	Enforcement through inspection	
Salina	Residential	2003 IRC, excluding EE requirements	n/a	Plans to adopt 2006 IRC with rudimentary EE requirements
	Commercial	2003 IBC, excluding EE requirements	n/a	
	Industrial	2003 IBC, excluding EE requirements	n/a	
Shawnee	Residential	2003 IRC	Pre-permitting inspections	Plans to adopt 2006 IRC/IBC/IECC
	Commercial	No code	n/a	
	Industrial	No code	n/a	
Topeka	Residential	2003 IRC, excluding EE requirements	n/a ; other code inspections by licensed contractor	Plans to adopt EE codes from the IRC/IBC
	Commercial	2006 IBC, excluding EE requirements	n/a ; other code inspections by licensed contractor	
	Industrial	2006 IBC, excluding EE requirements	n/a; other code inspections by licensed contractor	
Wichita	Residential	2006 IRC, excluding EE requirements	n/a	Uses 3-year code adoption cycle; will probably consider new code adoption in 2010 since 2006 codes were just adopted
	Commercial	2006 IBC, excluding EE requirements	n/a	
	Industrial	2006 IBC, excluding EE requirements	n/a	